

MINING APPLICATION

NO. _____

Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MRA 2, provided they contain the same information.)

1. Name of Applicant or Company Kaiser Aluminum & Chemical Corporation
2. Proposed type of operation Brine Collection and Evaporation Ponds
3. (a) Prior Land Use(s) Same as 2
(b) Current Land Use(s) Same as 2
(c) Possible or Prospective Future Land Use(s) Same as 2
4. What vegetation exists on the land proposed to be affected None

(a) Types and Estimated Percent Cover or Density: _____
No vegetative cover exists
5. What is the range pH of soil before mining? _____ pH.
Name of Person or Agency and method of determining pH _____

6. Site elevation above sea level 4210-4230
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) _____
8. Estimated duration of mining operations 40 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? _____
10. Will any underground workings or aquifers be encountered? (X) Yes () No
Describe Deep Brine Wells. Pumping From Brine Aquifers at Depths of 1000'-1800'
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If Yes, describe the quality of water being discharged. _____

11. Describe specifically a detailed procedure for: **See attached Mining Plan**

- a. The mining sequence.
- b. The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- c. The procedure for site preparation including removing trees and brush.
- d. The method for removing and stockpiling topsoil or disturbed materials.
- e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- f. A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING **See attached Mining Plan**

Specifically describe:

- a. Typical cross-section of regrading.
- b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- c. What type of soil treatment will be utilized.
- d. The method of drainage control for the final regraded area.
- e. Maximum grading slope.

TESTING **See attached Mining Plan**

1. a. Describe method for testing stability of reclamation fill material.

b. Describe method for the testing of soil that is intended to support vegetation.

2. Describe any soil treatment employed as an aid to revegetation.

3. Describe surface preparation of areas intended to support vegetation:

REVEGETATION **See attached Mining Plan**

1. Revegetation to be completed by:

<input type="checkbox"/> Operator	<input type="checkbox"/> Hydroseeding
<input type="checkbox"/> Soil Conservation District	<input type="checkbox"/> Aerial Seeding
<input type="checkbox"/> Private Contractor _____ (Name)	<input type="checkbox"/> Conventional or Rangeland Drilling
<input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Other (Specify) _____

2. Will Mulch Be Used?

Type _____ Rate/Acre _____ lbs.

3. Revegetation Plan and schedule -

Species	Rate/ acre	Planting location	Facing N-S-E-W	Season to to be Replanted

4. Will affected area be subject to livestock or wildlife grazing: () yes
() No Will vegetation protection be needed? _____

5. Will irrigation be used? () Yes () No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. _____

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed *Mr. L. L. L. L. L.* Plant Manager
~~Operator~~, Date 2-6-76

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 6th day of February, 19 76.

Notary Public *Nancy A. Dykeman*

My Commission Expires: 12-20-76

KAISER
CHEMICALS

KAISER ALUMINUM & CHEMICAL CORPORATION

FEB 4 1976

SENIOR & SENIOR

February 3, 1976

Mr. Jackson W. Moffitt
Area Mining Supervisor
United States Department of the Interior
Conservation Division
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Dear Mr. Moffitt:

By letter dated July 14, 1975, we received U.S.G.S. approval of the mining plan for Pond System V at our potash operation near Wendover, Utah. Subsequently, we made some detailed engineering studies and concluded it would be less costly for construction if several revisions were made to the mining plan. The revisions would eliminate the need for new transfer ditch construction along the South side of old Hwy. 40 and allow the primary pond location to be moved slightly further south of old Hwy. 40. Both of these conditions we believe would enhance the mining plan with respect to environmental considerations.

On the attached map (Figure II in the Mining Plan submitted to your office) we have superimposed the revisions we would like to incorporate in construction of Pond System V. We would appreciate your early consideration of the proposed revisions. If you have any questions concerning the proposed revisions I would like to meet with you or Mr. Whitney in Salt Lake City at the earliest convenient time.

Very truly yours,



M. W. LALLMAN
Plant Manager

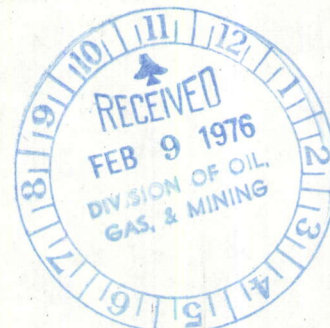
MWL:e

cc: R. Senior - Senior & Senior
B. B. Clow - 2009 KB
G. A. Longtin - 1324 OB

MINING APPLICATION
NO. _____

Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS
(See Rule M of General Rules and Regulations)

1. Name of Applicant or Company Kaiser Aluminum & Chemical Corporation
Corporation (x) Partnership () Individual ()
2. Address 300 Lakeside Drive, Oakland, California 94643
Permanent Temporary
3. Name and title of person representing Company M. W. Lallman, Plant Manager
Kaiser Chemicals
4. Address P. O. Box 580, Wendover, Utah 84083 Office Phone 665-2241
See Mine Plan attached
5. Location of Operation Tooele Sec. ____ / T. ____ R. ____
County
6. Name of Mine Bonneville Plant
7. Mineral to be mined: Mining Method:
() Coal () Flagstone _____
() Copper () Gravel _____
() Manganese () Shale _____
() Iron Ore () Uranium _____
() Phosphate () Gilsonite _____
(x) Potash () Bituminous Sandstone _____
() Fluorspar () Tungsten _____
() Other (Specify) Salt, MgCl₂ Brine
8. Have you or any Person, Partnership or Corporation associated with you received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein?
() Yes (x) No
- If yes, list all approval numbers now under surety:

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

9. Owner/Owners of record of the surface area within the land to be affected:
Kaiser Aluminum & Chemical Corp. Address Oakland, California

United States

Address BLM, Federal Bldg., Salt Lake City

State of Utah

Address 105 State Capitol Bldg.
Salt Lake City, Utah

Address _____

10. Owner/Owners of record of minerals to be mined:

Same as 9 Address _____

Address _____

Address _____

Address _____

11. Owner/Owners of record of all other minerals within any part of the land affected:

Same as 9 Address _____

Address _____

Address _____

Address _____

11a. Have the above Owners been notified in writing?
(x) Yes () No

12. Source of Operator's legal right to enter and conduct operations on land to be covered by the Notice Fee ownership and State & Federal Potassium Leases

13. Approximate acreage to be disturbed:

Mining operation area (include operations, storage, and disposal area):

_____ acres +
Access Road or Haulageway: _____ acres +
Drainage System: _____ acres =
Total Acres: 57,518 Acres - Fee, 6,238 State, 24,700 Federal acres

14. Give the names and post office addresses of every principal Executive, Officer, Partner, (or Person performing a similar function) of Applicant:

Name	Title	Address
a. <u>Byron B. Clow</u>	<u>Mgr., Brine Chemicals and Magnesium</u>	<u>300 Lakeside Drive Oakland, California 94643</u>
b. <u>Howard M. Nelson</u>	<u>Vice-President, Industrial Chemicals</u>	<u>300 Lakeside Drive Oakland, California 94643</u>
c. _____	_____	_____
d. _____	_____	_____

15. Has Applicant, any Subsidiary or Affiliate or any Person, Partnership, Association, Trust or Corporation controlled by or under common control with Applicant, or any Person required to be identified by Item 14, ever had an approval of a Notice of Intention withdrawn or has surety relating thereto ever been forfeited? Yes () No (x)

If yes, explain:

STATE OF UTAH

COUNTY OF SALT LAKE

I, M. W. LALLMAN, having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the applicant and this
application has been executed as required by law.

Signed: 

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 6th day of February, 19 76.

Notary Public: 

My Commission Expires: 12-20-76